

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005916**Date Inspected:** 26-Feb-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China

<b>CWI Name:</b>	Xu Xian Ping			<b>CWI Present:</b>	Yes	No	
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG Components		

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Chandrakumar.S was present during the time noted above for observations relative to the work being performed

**BAY#6**

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as Tower Diaphragm .The weld designations reviewed as follows:

WSD1-SA424A/B-004,008,006, Green Tag no-004124.

ESD1-SA425-001,001 Green Tag no- 004124

WSD1-SA424B/B-003,005,008,009,015,Green Tag no-004124

@On going SMAW Welding of Weld Joint 2G- 005&006 Located on NSD1-DPSA3-2 B/B Welder no indentified as 068924&066459 , 037932&067611 and The welding variables recorded by QC ZMPC to comply with the WPS-B-T-3312-Tc-P5.

@On going FCAW Welding of Weld Joint 3G- 10-5B,10-2B Located on NSD1-DPSA3 Welder no indentified as 058174 and The welding variables recorded by QC ZMPC to comply with the WPS-B-T-2233-B-U3-F.

**BAY#07**

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## WELDING INSPECTION REPORT

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@On going FCAW(semi-auto) Welding of Weld Joint 2F- 017,021,026 Located on SP325-001 Welder no identified as 205774,051246 & 054459 and The welding variables recorded by QC ZMPC to comply with the WPS-T-2132-3.

BAY#05

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as OBG Bike Path .The weld designations reviewed as follows:

BK001-001-63,64,65,29,31,27,32,36,34,66 – ZPMC finished MT but no Sign.

BK001-002-63,64,65,29,31,27,32,36,34,66.

BK001-003-63,64,65,29,31,27,32,36,34,66.

BK001-004-63,64,65,29,31,27,32,36,34,66.

BK001-005-63,64,65,29,31,27,32,36,34,66.

BK001-006-63,64,65,29,31,27,32,36,34,66.

BK001-007-63,64,65,29,31,27,32,36,34,66.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No Relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
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<b>Reviewed By:</b>	Clifford,William	QA Reviewer
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